

What is claimed is:

- Sub
App
1. A method for providing improved teleservice messaging to a mobile station in a wireless communication network, comprising the steps of:

receiving at a network sending entity an indication of the maximum teleservice payload size that can be sent by said network sending entity to said mobile station via network receiving entities serving said mobile station; and

utilizing said payload size indication at said network sending entity to format the size of teleservice messages sent by said network sending entity to said mobile station via said network receiving entities.
 2. A method in accordance with Claim 1 wherein said receiving step includes receiving said payload size indication from one of said network receiving entities at said network sending entity.
 3. A method in accordance with Claim 2 wherein said network receiving entity from which said payload size indication is received is a switch serving said mobile station.
 4. A method in accordance with Claim 3 wherein said switch is a Mobile Switching Center (MSC).

5. A method in accordance with Claim 3 wherein said switch is a Mobile Data Intermediate System (MDIS).
6. A method in accordance with Claim 3 wherein said switch is a Serving GPRS Support Node (SGSN).
7. A method in accordance with Claim 2 wherein said receiving step further includes receiving said payload size indication from one of said network receiving entities at said network sending entity via a database associated with said mobile station.
8. A method in accordance with Claim 7 wherein said database is a Home Location Register (HLR).
9. A method in accordance with Claim 1 further including preliminarily receiving said payload size indication at a database associated with said mobile station as a message parameter during standard registration message exchange between one of said network receiving entities and said database during operations of said wireless network, said preliminary receiving step being performed prior to said receiving step.
10. A method in accordance with Claim 9 wherein said receiving step further includes receiving said payload size indication from said database at said network

11. A system for providing improved teleservice messaging to a mobile station in a wireless communication network, comprising::

means for utilizing said payload size indication at said network sending entity to format the size of teleservice messages sent by said network sending entity to said mobile station via said network receiving entities.

13. A system in accordance with Claim 12 wherein said network receiving entity from which said payload size indication is received is a switch serving said mobile station.

14. A method in accordance with Claim 13 wherein said switch is a Mobile Switching Center (MSC).
15. A system in accordance with Claim 13 wherein said switch is a Mobile Data Intermediate System (MDIS).
16. A system in accordance with Claim 13 wherein said switch is a Serving GPRS Support Node (SGSN).
17. A system in accordance with Claim 12 wherein said receiving means further includes means for receiving said payload size indication from one of said network receiving entities at said network sending entity via a database associated with said mobile station.
18. A system in accordance with Claim 17 wherein said database is a Home Location Register (HLR).
19. A system in accordance with Claim 11 further including means for preliminarily receiving said payload size indication at a database associated with said mobile station as a message parameter during standard registration message exchange between one of said network receiving entities and said database during operations of said wireless network, and wherein said preliminary receiving means receives said

23. A method in accordance with Claim 2 wherein said network receiving entity providing said payload size indication is received is a switch serving said mobile station.
24. A method in accordance with Claim 3 wherein said switch is a Mobile Switching Center (MSC).
25. A method in accordance with Claim 3 wherein said switch is a Mobile Data Intermediate System (MDIS).
26. A method in accordance with Claim 3 wherein said switch is a Serving GPRS Support Node (SGSN).
27. A method in accordance with Claim 2 wherein said providing step further includes providing said payload size indication from one of said network receiving entities at said network sending entity via a database associated with said mobile station.
28. A method in accordance with Claim 7 wherein said database is a Home Location Register (HLR).
29. A method in accordance with Claim 1 wherein said providing step includes providing said payload size indication to a database associated with said mobile

33. A system in accordance with Claim 12 wherein said network receiving entity from which said payload size indication is provided is a switch serving said mobile station.
34. A method in accordance with Claim 13 wherein said switch is a Mobile Switching Center (MSC).
35. A system in accordance with Claim 13 wherein said switch is a Mobile Data Intermediate System (MDIS).
36. A system in accordance with Claim 13 wherein said switch is a Serving GPRS Support Node (SGSN).
37. A system in accordance with Claim 12 wherein said providing means further includes means for providing said payload size indication from one of said network receiving entities to said network sending entity via a database associated with said mobile station.
38. A system in accordance with Claim 17 wherein said database is a Home Location Register (HLR).

-36-

said receiving step further including first receiving said payload size indication at said database and thereafter at said network sending entity during standard registration message exchange between one of said network receiving entities and said database, and between said database and said network sending entity, respectively, during operations of said wireless communication system.

a wireless communication system, a method for providing improved messaging to a mobile station communicating through the wireless communication system, comprising the steps of:

providing to a network sending entity an indication of the maximum service payload size that can be sent by said network sending entity to said mobile station via network receiving entities serving said mobile station;

said payload size indication being utilizable at said network sending entity to format the size of teleservice messages sent by said network sending entity to said mobile station via said network receiving entities;

said providing step including providing said payload size indication from one of said network receiving entities to said network sending entity via a database associated with said mobile station; and

providing step further including providing said payload size indication to said mobile station and to said network sending entity during standard registration message exchange between one of said network receiving entities and said database, and between said mobile station and said network sending entity, respectively, during operations of said wireless communication system.

- providing to a network sending entity an indication of the maximum teleservice payload size that can be sent by said network sending entity to said wireless station via network receiving entities serving said mobile station;

one of said network receiving entities to said network sending entity via a database associated with said mobile station; and

said providing step further including providing said payload size indication to said database and to said network sending entity during standard registration message exchange between one of said network receiving entities and said database, and between said database and said network sending entity, respectively, during operations of said wireless communication system.